

Project Management Toolbox at Los Alamos National Laboratory

Project 3

Presented by
John Huang, N-1
Safeguards Science & Technology

September 23-25, 2003

172A

Project Objectives

- 1) Identify Safety Hazards
- 2) Conduct a survey of Lik and relevant Science & Technology
- 3) Gather technical information from the old heads.
- 4) Detailed performance (component) design Spec.
- 5) Search for Li-Liquid APB SCM.
- 6) Evaluate performance of potential APDs
- 7) Design & Simulate
- 8) ~~Simulate Iterate #7~~
- 9) Construct and test
- 10) Write up Results

(X) Jim Foster
 (X) Mike Ayers
 (X) Carlos
 (X) Subramanyam
 (X) David Mathew
 (X) Dan Cobb
 (X) Ken Allen
 (X) Larry Hargy
 (X) Challenge
 (X) Alan Prosser
 (X) Mike Tracy



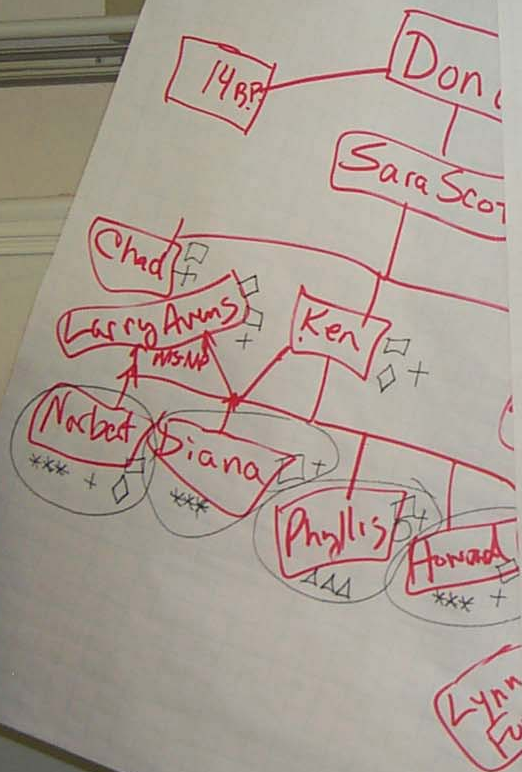






172A

LANL



Project Objectives

- 1.) Identify Safety Hazards
- 2.) Conduct a survey of Lit. and relevant Science & Technology.
- 3.) Gather technical information from the old heads.
- 4.) Detailed performance (component) design Spec.
- 5.) Search for Li Loaded APD SCIN.
- 6.) Evaluate performance of potential APDs.
- 7.) Design & simulate
- ~~8.) Simulate. Iterate #7~~
- 8.) Construct and test
- 9-10.) Write up Results

Lynn
Fu

Write up Re

* Howard Menlove

* Sarah Scott

* Phyllis

* Norbert

* Diana Langner

* Larry Avens

* Ron Cherry

* Skip Bowser

* Lynn

* Linn Foster

+1 Max Aparo

+2 Canberra
Carlton?
Bob McEnroy

* David Watkins

* Bill Preidorsky

* Don Cobb

* Ken Alvar

* Larry Ussery

* Chad Olinger

+9 Alan Bross

+20 Inez Triay

Ref. Re.
w.P.

Perform
Reference
Research
to
Generate
Report

1.2.1
Contact 2
Mfgs.
Industry

1.2.2
Go To 3
Lib

1.2.3
Talk to 4
Li+

1.2.4
Identify 5
Network
Contacts

1.2.5
Create 7
A

1.2.6
Identify 8
Who

1.2.7
Sum 9
IN A

Milestone 10
Decide

About 11
Li

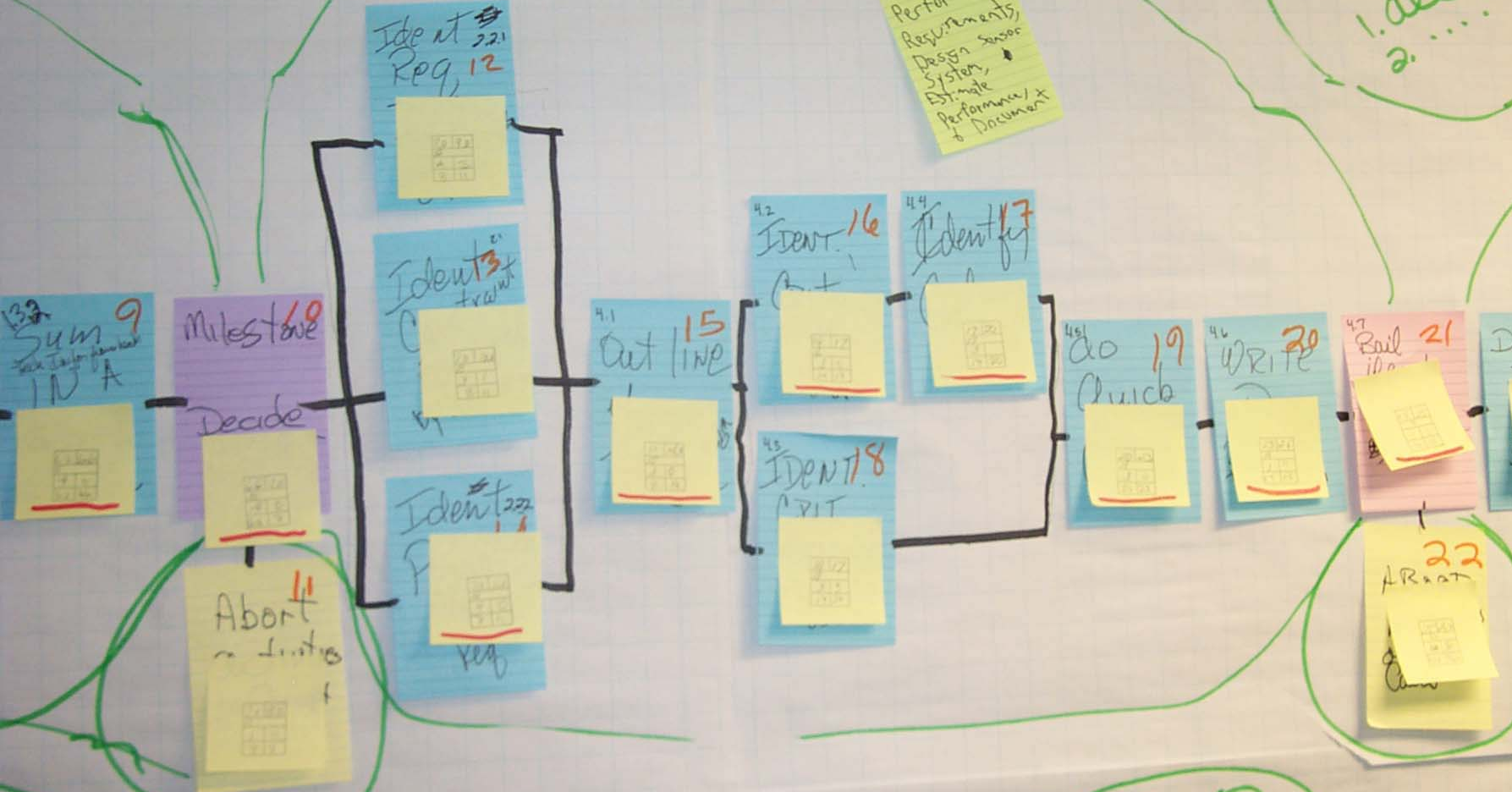
Receive 12
Li

(A)

Tech Design

Understand
Performance
Requirements,
Design
System,
Estimate
Performance
& Document

M61.
1. all Ab
2.



OO
root

Proj.
MGT.
1. all Abort act.
2.

Planning
M.T.

do Li Selection

Find
Sound
for Li
& Act

Ident 19

LI-Loaded
ABORT 20

Abort 33

do 19
Quick

WRITE 20

Roll
in 21

Draft 23

Ident 24

Review 25

Ident
write 26

Recp
to HAZ 27

Acquire 34

Write
Test 35

Perform 36

Abort 22

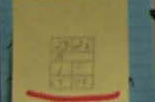
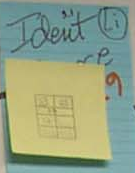
ABORT 28
Activities

do APD Sel

Evaluate
App's, App's
Select App's
Order App's



Identify
drawings, design
Create & write
new ones
as necessary



Li Selection

Ident 11
9

LI-LOADED
ABORT 40

Find source for Li & Order

Get 11 LOCATION
SPRINT

ORDER 11
22

Abort 33

Identify hazards, assign HAZ to write new ones as necessary

Ident 15
new

Ident 15
write 26

APD To HAZ
Decision 27

5.1 Acquire 34

5.2 Write Test 35

5.3 Perform 36

5.4 Sum 37

5.6 APD ABORT 38

ABORT 28
Activities

APD Selection

Evaluate APDs, App, Select App, Order App

Abort 40
A-T

5.5 39

1.1.1 INFORM, GET BUY IN ON IAEA CONTACTS

1.1.2 IAEA 2

OBJ CONTACT IAEA TO OBTAIN NEEDED INFO



